**Supplementary materials**

**Suppl. Table 1.** Primers used for PCR-based detection of the major pathogenic species of *Campylobacter*.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Primer | Sequence (5’-3’) | Target gene | Amplicon | Reference |
|   |   |   | size (bp) |   |
| 16S 9F | GAGTTTGATCCTGGCTC | 16S rRNA  | 1530 | Samosornsuk et al., 2007 [15] |
| 16S 1540R | AAGGAGGTGATCCAGCC |  |  |  |
| Cj-cdtCU1 | TTTAGCCTTTGCAACTCCTA | *C. jejuni* *cdtC* | 524 | Asakura et al., 2008 [16] |
| Cj-CdtCR2 | AAGGGGTAGCAGCTGTTAA |  |  |  |
| Cc-CdtCU1 | TAGGGATATGCACGCAAAG | *C. coli* *cdtC* | 313 | Asakura et al., 2008 [16] |
| Cc-CdtCR1 | GCTTAATACAGTTACGATAG |  |  |  |
|  CfspCU2 | AAGCATAAGTTTTGCAAACG  | *C. fetus* *cdtC* | 397 | Asakura et al., 2008 [16] |
|  CfspCR1 | GTTTGGATTTTCAAATGTTCC  |   |   |   |

**Suppl. Table 2.** Antimicrobial resistance patterns of *C. jejuni* and *C. coli* strains from poultry production and supply chain.

|  |  |  |  |
| --- | --- | --- | --- |
| Antimicrobial agent | *C. jejuni* (n = 47) |   | *C. coli* (n = 24) |
| (Standard dose, μg) | Resistant (%)  | Intermediate (%) | Susceptible (%) |   | Resistant (%) | Intermediate (%) | Susceptible (%) |
| Amoxicillin (30 μg) | 30 (64) | 12 (25) | 5 (11) |  | 13 (54) | 7 (29) | 4 (17) |
| Tetracycline (30 μg) | 29 (62) | 8 (17) | 10 (21) |  | 11 (46) | 6 (25) | 7 (29) |
| Erythromycin (30 μg) | 24 (51) | 13 (28) | 10 (21) |  | 10 (42) | 6 (25) | 8 (33) |
| Ciprofloxacin (30 μg) | 17 (36) | 9 (19) | 21 (45) |  | 7 (29) | 8 (33) | 9 (38) |
| Norfloxacin (10 μg) | 12 (26) | 8 (17) | 27 (57) |  | 8 (33) | 6 (25) | 10 (42) |
| Streptomycin (10 μg) | 12 (26) | 6 (13) | 29 (62) |  | 6 (25) | 2 (8) | 16 (67) |
| Azithromycin (30 μg) | 7 (15) | 6 (13) | 34 (72) |  | 4 (17) | 5 (21) | 15 (62) |
| Gentamicin (10 μg) | 2 (4) | 4 (9) | 41 (87) |   | 2 (8) | 3 (13) | 19 (79) |

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**Suppl. Figure 1.** PCR detection of *Campylobacter* spp. among the representative isolates obtained by culture-based methods. (A) 16S rRNA gene-based PCR to identify *Campylobacter* genus (B) *cdtC* gene-based multiplex PCR assay to identify *C. jejuni*, and (C) *cdtC* gene-based multiplex PCR assay to identify *C. coli*. In all figures, lanes: 1 and 9, 100 bp DNA ladder (Promega, USA); lanes 2 and 8, positive and negative controls, respectively; and lanes 3-7, representative positive isolates.